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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/008,271

11/09/2001

James P. Freyensee

5181-96500

2600

7590

06/07/2006

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EXAMINER

PHAN, THAI Q

ART UNIT

PAPER NUMBER

2128

DATE MAILED: 06/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/008,271		FREYENSEE ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Thai Phan		2128	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 March 2006.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-39 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### DETAILED ACTION

This Office Action is in response to the decision for pre-appeal conference, Apr. 24, 2006. Claims 1-39 are pending in the Action.

#### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-39 are rejected under 35 U.S.C. 102(e) as being anticipated by Beadles et al, US patent application publication no. 2003/0037128 A1.

As per claim 1, Beadles anticipates a method and system for simulating and supporting a hot plug or hot pull process or node to its network system with feature limitations very identical to the claimed invention. According to Beadles, the method includes steps

Configuring a first node, the node configured to participate in a simulation of a system under test, the configured node is to simulate the component under test ([0041], [0043], [0047]-[0089])

A second node or processor configured to transmit a hot plug or hot pull command to the design

Configuring a second network node to transmit a pull command designating to the first node ([0047]-[0089]), and

Responsive to the hot pull command, the first node simulates a removal or addition of the component from the system under test (see paragraphs above).

As per claims 2-3, Beadles anticipates the claimed limitations such as a plurality of network nodes/components and node configuration to simulate system under test, component to component connection, etc ([0038]-[0043], [0058], [0064]-[0075]).

As per claims 4-10, Beadles discloses a network manager or the claimed hub to connect and configure components connected to the network ([0038], [0041], [0047], [0058]-[0059], [0060]-0064]).

As per claims 11 and 12, Beadles anticipates a method and system for simulating and supporting a hot plug or hot pull process or node to its network system with feature limitations very identical to the claimed invention. According to Beadles, the method includes steps

Configuring a first node, the node configured to participate in a simulation of a system under test, the configured nodes are to simulate the component under test ([0041], [0043], [0047]-[0089])

A second node or processor configured to transmit a hot plug or hot pull command to the design

Configuring a second network node to transmit a pull command designating to the first node ([0047]-[0089]), and

Responsive to the hot pull command, the first node simulates a removal or addition of the component from the system under test (see paragraphs above).

As per claim 12, Beadles anticipates a step of ceasing participation because the existing configured node being used for the process of plug-in or pulled down for processing swapping or hot-pull process when the device with new configuration data changes ([0048], [0051]-[0058], [0061]-0064)).

As per claims 13-19, Beadles anticipates the claimed limitations as a plurality of network nodes and node configuration to simulate, verify, and support the verification of a system under test, component-component connections, etc ([0064]-[0070]). Beadles also discloses a network manager or the claimed hub to connect and configure components connected to the network ([0041], [0047], [0058]-[0059], [0060]-0064)).

Claims 21-39 are directed to a computer program product and system to execute the program product for performing steps in claims 1-20 above. Similarly, claims 21-39 are also rejected under the same rationales as set forth.

### ***Response to Arguments***

Applicant's arguments with respect to amended claims 1-39 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. US patent no. 5,317,693, issued to Cuenod et al, on May 1994
  2. US patent no. 6,292,931, issued to Dupenloop, Guy, on Sept. 2001
  3. US patent no. 6,393,588, issued to Hsu et al, on May 2002
  4. US patent no. 6,470,397, issued to Shah et al, on Oct. 2002
  5. US patent no. 6,539,520, issued to 6,625,650, issued to Stelliga, Tony, on Sept. 2003
  6. US patent application no. 2005/0066087, issued to Wu, Zong Liang, on Mar. 2005
2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thai Phan whose telephone number is 571-272-3783.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamini Shah can be reached on 571-272-2279. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2128

3. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

May 30, 2006



Thai Phan  
Patent Examiner